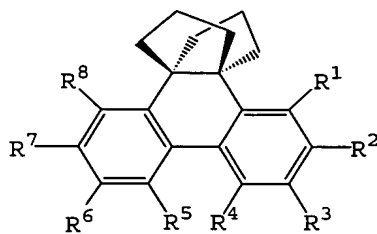


ABSTRACT OF THE DISCLOSURE

A phenanthrene compound represented by the formula (I):



Formula (I)

in which, R^1 , R^2 , R^3 , R^4 , R^5 , R^6 , R^7 , and R^8 are identical or different and may each be hydrogen, halogen, C_{1-6} alkyl, C_{1-6} alkoxy, or a conjugated group. The phenanthrene compound has a polycyclic structure and semiconductor properties including electron transfer, electroluminescence, and photoluminescence.